

Vehicle Driving Simulator

CAPABILITY SHEET - MOTION-PLATFORM DRIVER TRAINING - ENGINEERED TO ORDER

THE SYSTEM

WHAT	A full-motion vehicle driving simulator - a replica cab on a 6-DOF motion platform with wraparound visuals - for safe driver training on any terrain or emergency.
OUR ROLE	The 6-DOF motion platform, the replica cab and the integration are engineered in-house; the image generator and vehicle-dynamics software are bought-in.
STATUS	Engineered to order; sized to the vehicle, the training task and the fidelity. No specific delivered simulator is claimed on this sheet.

THE LOOP

CAB	A 1:1 replica cab - steering with control-loading, pedals, gearshift and instruments - so the trainee's hands and eyes are where they will be in the vehicle.
MOTION	A 6-DOF motion platform reproduces acceleration, braking, pitch, roll and terrain feel, with motion-cueing/washout so the body's cues agree with the eyes.
VISUAL + IOS	A wraparound image-generator visual (210deg+) over a terrain database, plus an instructor station that authors scenarios, injects faults and scores runs.

TRAINING

SCENARIOS	Any terrain, weather, time of day and traffic - with fault injection (skid, brake failure, tyre burst) on demand, and simulators networked for convoy drills.
SAFE	The dangerous lessons - skids, failures, night and poor-visibility driving - are rehearsed safely and repeatably, until the response is automatic.
ASSESS	Every run is logged and scored at the instructor station - the same scenario and criteria for every trainee - so progress is measured, not guessed.

DISTINCT & HONEST

NOT GUNNERY	Driver training only - vehicle operation. Gunnery/weapon training is a separate system; this trains driving: steering, gears, braking, terrain and hazards.
PLATFORM OURS	Unlike a pure software integrator, the physical heart - the 6-DOF motion platform and the cab - is our own engineering, from our dynamic-motion platform.
ENGAGEMENT	Send the vehicle, the training task and the fidelity to sales@neometrixgroup.com for a clause-by-clause compliance matrix in two working days.

DEFENCE PROGRAMMES DESK

sales@neometrixgroup.com · +91 7777 876 876 · neometrixgroup.com
Neometrix Defence Limited · E-148, Sector 63, Noida, Uttar Pradesh, India